

Abstract

Please replace the Abstract as follows:

--ABSTRACT OF THE DISCLOSURE

A semiconductor device in which the lifetime of mounted components can be prolonged. A cooling system for controlling the temperature of a refrigerant through a heating section (1) and a radiator (2) is provided. The semiconductor device (100) is connected to the cooling system and is cooled. A variation width (ΔT_1) of temperature controlled by the cooling system through the heating section (1) and the radiator (2) is ~~larger smaller~~ than a temperature variation (ΔT_2) of the refrigerant caused by variations in operating conditions of the semiconductor device (100) ($\Delta T_1 \geq \Delta T_2$).--